

# PATENT ABSTRACTS OF JAPAN

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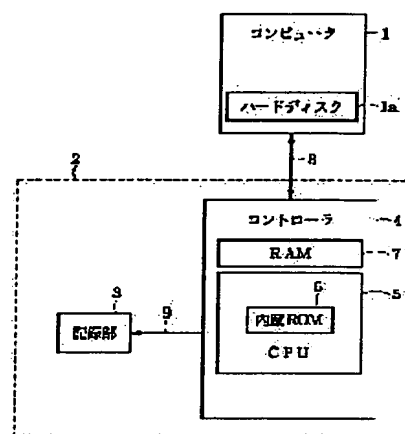
(21) Application number : 09-204283 (71) Applicant : CANON INC  
 (22) Date of filing : 30.07.1997 (72) Inventor : ITO AKIRA

(54) PRINTING CONTROLLER, PRINTING CONTROL METHOD AND STORAGE MEDIUM STORING PROGRAM WHICH COMPUTER CAN READ

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a printing processing environment effective for a regular user who can always execute a printing information processing based on the latest printing control program.

SOLUTION: Verification information stored in an NVRAM area secured in a part of RAM 7 in accordance with a request from a computer 1 is informed to the computer 1. The printing control program transferred from the computer 1 is stored in RAM 7 and printing data transferred from the computer 1 based on the stored printing control program is transferred to a printing data recording part 3.



## LEGAL STATUS

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Print controller for printers - stores authentication information in memory unit which is transmitted to computer on demand, and prints data transmitted by computer based on control program transmitted by it

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NOVELTY - The authentication information is stored in the RAM (7) and is transmitted to the computer on demand. The print control program transmitted by the computer is stored in RAM, based on which the data transmitted by the computer is printed.

DETAILED DESCRIPTION - The print controller (4) equipped in printer (2) communicates with computer (1) and controls the printing process. INDEPENDENT CLAIMS are included for the following: printing control procedure; memory for storing printing control program

USE - For printers.

ADVANTAGE - Offers free printing environment with minimum memory resources and with low cost devices. Prevents unauthenticated printing process. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of printer equipped with print control system. (1) Computer; (2) Printer; (4) Print controller; (7) RAM. (11pp

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